

Application No. Not Yet Assigned  
Amendment dated March 22, 2006  
First Preliminary Amendment

Docket No.: 30694/41889

**AMENDMENT TO THE SEQUENCE LISTING**

Please delete the sequence listing of record (pages 1-9) and substitute therefore the substitute paper copy of the sequence listing submitted herewith (pages 1-12).

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SEQUENCE LISTING IAP20 RECEIVED 22 MAR 2006

<110> Yeda Research and Development Co Ltd.

WALLACH, David

RAMAKRISHNAN, Parameswaran

<120> Antibodies to NIK, their preparation and use

<130> 843

<140> PCT/IL2004/000921

<141> 2004-10-07

<150> 158287

<151> 2003-10-07

<160> 22

<170> PatentIn version 3.1

<210> 1

<211> 17

<212> PRT

<213> artificial sequence

<220>

<223> synthetic peptide

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Asp Val Ile Thr Lys Gly Thr Ala Lys Glu Gly Ser Glu Ala Gly Pro  
1 5 10 15

Ala

<210> 2

<211> 14

&lt;212&gt; PRT

&lt;213&gt; artificial sequence

&lt;220&gt;

&lt;223&gt; synthetic peptide

&lt;400&gt; 2

Cys Glu Asn Ser Gln Glu Phe Ser Pro Thr Phe Ser Glu Arg  
 1 5 10

&lt;210&gt; 3

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; synthetic peptide

&lt;400&gt; 3

Lys Gly Lys Arg Arg Ser Lys Ala Arg Lys Lys Arg Lys Lys Lys Ser  
 1 5 10 15

&lt;210&gt; 4

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; artificial sequence

&lt;220&gt;

&lt;223&gt; synthetic peptide

&lt;400&gt; 4

Glu Gly Leu Arg Pro Ala Leu Pro Arg Ser Glu Leu His Lys  
 1 5 10

&lt;210&gt; 5

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; artificial sequence

&lt;220&gt;

<223> synthetic peptifde

<400> 5

Arg Gly Ser Arg Ser Arg Glu Pro Ser Pro Lys Thr Glu Asp Asn Glu  
1 5 10 15

<210> 6

<211> 14

<212> PRT

<213> artificial sequence

<220>

<223> synthetic peptide

<400> 6

Lys Leu Lys Pro Val Asp Tyr Glu Tyr Arg Glu Glu Val His  
1 5 10

<210> 7

<211> 16

<212> PRT

<213> artificial sequence

<220>

<223> synthetic peptide

<400> 7

Arg Leu Gly Arg Gly Ser Phe Gly Glu Val His Arg Met Glu Asp Lys  
1 5 10 15

<210> 8

<211> 16

<212> PRT

<213> artificial sequence

<220>

<223> synthetic peptide

<400> 8

Cys Ala Val Lys Lys Val Arg Leu Glu Val Phe Arg Ala Glu Glu Leu  
1 5 10 15

&lt;210&gt; 9

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; artificial sequence

&lt;220&gt;

&lt;223&gt; synthetic peptide

&lt;400&gt; 9

Arg	Arg	Ile	Leu	His	Gly	Asp	Val	Lys	Ala	Asp	Asn	Val	Leu	Leu
1				5					10					15

&lt;210&gt; 10

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; artificial sequence

&lt;220&gt;

&lt;223&gt; synthetic peptide

&lt;400&gt; 10

Cys	Leu	Lys	Ile	Ala	Ser	Glu	Pro	Pro	Pro	Val	Arg	Glu	Ile	Pro
1				5					10					15

&lt;210&gt; 11

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; artificial sequence

&lt;220&gt;

&lt;223&gt; synthetic peptide

&lt;400&gt; 11

Arg	Lys	Glu	Pro	Ile	His	Arg	Val	Ser	Ala	Ala	Glu	Leu	Gly	Gly	Lys
1				5					10					15	

&lt;210&gt; 12

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; artificial sequence

&lt;220&gt;

&lt;223&gt; synthetic peptide

&lt;400&gt; 12

Arg Gly Glu Tyr Lys Glu Pro Arg His Pro Pro Pro Asn Gln Ala Asn  
 1 5 10 15

&lt;210&gt; 13

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; artificial sequence

&lt;220&gt;

&lt;223&gt; synthetic peptide

&lt;400&gt; 13

Arg Ala Pro Gly Pro Arg Pro Ala Glu Glu Thr Thr Gly Arg Ala Pro  
 1 5 10 15

Lys

&lt;210&gt; 14

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; artificial sequence

&lt;220&gt;

&lt;223&gt; synthetic peptide

&lt;400&gt; 14

Glu Pro Pro Glu Pro Asn Lys Ser Pro Pro Leu Thr Leu Ser Lys Glu  
 1 5 10 15

Glu

&lt;210&gt; 15

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; artificial sequence

&lt;220&gt;

&lt;223&gt; synthetic peptide

&lt;400&gt; 15

Pro Ala Arg Asn Pro Ser Ser Pro Glu Arg Lys Ala Thr Val Pro Glu  
 1 5 10 15

&lt;210&gt; 16

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; artificial sequence

&lt;220&gt;

&lt;223&gt; synthetic peptide

&lt;400&gt; 16

Glu Leu Gln Gln Leu Glu Ile Glu Leu Phe Leu Asn Ser Leu Ser  
 1 5 10 15

&lt;210&gt; 17

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; artificial sequence

&lt;220&gt;

&lt;223&gt; synthetic peptide

&lt;400&gt; 17

Asp Asp Ser Glu Lys Asn Pro Ser Lys Ala Ser Gln Ser Ser Arg Asp  
 1 5 10 15

&lt;210&gt; 18

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; artificial sequence

&lt;220&gt;

&lt;223&gt; synthetic peptide

&lt;400&gt; 18

Glu Ala Arg Ser Ser Ser Trp Asn Met Val Leu Ala Arg Gly Arg Pro  
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<210> 19

<211> 15

<212> PRT

<213> artificial sequence

<220>

<223> synthetic peptide

<400> 19

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 1 5 10 15

<210> 20

<211> 14

<212> PRT

<213> artificial sequence

<220>

<223> synthetic peptide

<400> 20

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 1 5 10

<210> 21

<211> 947

<212> PRT

<213> artificial sequence

<220>

<223> synthetic peptide

<400> 21

Met Ala Val Met Glu Met Ala Cys Pro Gly Ala Pro Gly Ser Ala Val  
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Gly Gln Gln Lys Glu Leu Pro Lys Pro Lys Glu Lys Thr Pro Pro Leu  
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Gly Lys Lys Gln Ser Ser Val Tyr Lys Leu Glu Ala Val Glu Lys Ser  
 35 40 45  
 Pro Val Phe Cys Gly Lys Trp Glu Ile Leu Asn Asp Val Ile Thr Lys  
 50 55 60  
 Gly Thr Ala Lys Glu Gly Ser Glu Ala Gly Pro Ala Ala Ile Ser Ile  
 65 70 75 80  
 Ile Ala Gln Ala Glu Cys Glu Asn Ser Gln Glu Phe Ser Pro Thr Phe  
 85 90 95  
 Ser Glu Arg Ile Phe Ile Ala Gly Ser Lys Gln Tyr Ser Gln Ser Glu  
 100 105 110  
 Ser Leu Asp Gln Ile Pro Asn Asn Val Ala His Ala Thr Glu Gly Lys  
 115 120 125  
 Met Ala Arg Val Cys Trp Lys Gly Lys Arg Arg Ser Lys Ala Arg Lys  
 130 135 140  
 Lys Arg Lys Lys Lys Ser Ser Lys Ser Leu Ala His Ala Gly Val Ala  
 145 150 155 160  
 Leu Ala Lys Pro Leu Pro Arg Thr Pro Glu Gln Glu Ser Cys Thr Ile  
 165 170 175  
 Pro Val Gln Glu Asp Glu Ser Pro Leu Gly Ala Pro Tyr Val Arg Asn  
 180 185 190  
 Thr Pro Gln Phe Thr Lys Pro Leu Lys Glu Pro Gly Leu Gly Gln Leu  
 195 200 205  
 Cys Phe Lys Gln Leu Gly Glu Gly Leu Arg Pro Ala Leu Pro Arg Ser  
 210 215 220  
 Glu Leu His Lys Leu Ile Ser Pro Leu Gln Cys Leu Asn His Val Trp  
 225 230 235 240  
 Lys Leu His His Pro Gln Asp Gly Gly Pro Leu Pro Leu Pro Thr His  
 245 250 255  
 Pro Phe Pro Tyr Ser Arg Leu Pro His Pro Phe Pro Phe His Pro Leu  
 260 265 270  
 Gln Pro Trp Lys Pro His Pro Leu Glu Ser Phe Leu Gly Lys Leu Ala  
 275 280 285  
 Cys Val Asp Ser Gln Lys Pro Leu Pro Asp Pro His Leu Ser Lys Leu  
 290 295 300

## 843.ST25.txt

Ala Cys Val Asp Ser Pro Lys Pro Leu Pro Gly Pro His Leu Glu Pro  
 305 310 315 320  
 Ser Cys Leu Ser Arg Gly Ala His Glu Lys Phe Ser Val Glu Glu Tyr  
 325 330 335  
 Leu Val His Ala Leu Gln Gly Ser Val Ser Ser Ser Gln Ala His Ser  
 340 345 350  
 Leu Thr Ser Leu Ala Lys Thr Trp Ala Ala Arg Gly Ser Arg Ser Arg  
 355 360 365  
 Glu Pro Ser Pro Lys Thr Glu Asp Asn Glu Gly Val Leu Leu Thr Glu  
 370 375 380  
 Lys Leu Lys Pro Val Asp Tyr Glu Tyr Arg Glu Glu Val His Trp Ala  
 385 390 395 400  
 Thr His Gln Leu Arg Leu Gly Arg Gly Ser Phe Gly Glu Val His Arg  
 405 410 415  
 Met Glu Asp Lys Gln Thr Gly Phe Gln Cys Ala Val Lys Lys Val Arg  
 420 425 430  
 Leu Glu Val Phe Arg Ala Glu Glu Leu Met Ala Cys Ala Gly Leu Thr  
 435 440 445  
 Ser Pro Arg Ile Val Pro Leu Tyr Gly Ala Val Arg Glu Gly Pro Trp  
 450 455 460  
 Val Asn Ile Phe Met Glu Leu Leu Glu Gly Gly Ser Leu Gly Gln Leu  
 465 470 475 480  
 Val Lys Glu Gln Gly Cys Leu Pro Glu Asp Arg Ala Leu Tyr Tyr Leu  
 485 490 495  
 Gly Gln Ala Leu Glu Gly Leu Glu Tyr Leu His Ser Arg Arg Ile Leu  
 500 505 510  
 His Gly Asp Val Lys Ala Asp Asn Val Leu Leu Ser Ser Asp Gly Ser  
 515 520 525  
 His Ala Ala Leu Cys Asp Phe Gly His Ala Val Cys Leu Gln Pro Asp  
 530 535 540  
 Gly Leu Gly Lys Ser Leu Leu Thr Gly Asp Tyr Ile Pro Gly Thr Glu  
 545 550 555 560  
 Thr His Met Ala Pro Glu Val Val Leu Gly Arg Ser Cys Asp Ala Lys  
 565 570 575

## 843.ST25.txt

Val Asp Val Trp Ser Ser Cys Cys Met Met Leu His Met Leu Asn Gly  
 580 585 590  
 Cys His Pro Trp Thr Gln Phe Phe Arg Gly Pro Leu Cys Leu Lys Ile  
 595 600 605  
 Ala Ser Glu Pro Pro Pro Val Arg Glu Ile Pro Pro Ser Cys Ala Pro  
 610 615 620  
 Leu Thr Ala Gln Ala Ile Gln Glu Gly Leu Arg Lys Glu Pro Ile His  
 625 630 635 640  
 Arg Val Ser Ala Ala Glu Leu Gly Gly Lys Val Asn Arg Ala Leu Gln  
 645 650 655  
 Gln Val Gly Gly Leu Lys Ser Pro Trp Arg Gly Glu Tyr Lys Glu Pro  
 660 665 670  
 Arg His Pro Pro Pro Asn Gln Ala Asn Tyr His Gln Thr Leu His Ala  
 675 680 685  
 Gln Pro Arg Glu Leu Ser Pro Arg Ala Pro Gly Pro Arg Pro Ala Glu  
 690 695 700  
 Glu Thr Thr Gly Arg Ala Pro Lys Leu Gln Pro Pro Leu Pro Pro Glu  
 705 710 715 720  
 Pro Pro Glu Pro Asn Lys Ser Pro Pro Leu Thr Leu Ser Lys Glu Glu  
 725 730 735  
 Ser Gly Met Trp Glu Pro Leu Pro Leu Ser Ser Leu Glu Pro Ala Pro  
 740 745 750  
 Ala Arg Asn Pro Ser Ser Pro Glu Arg Lys Ala Thr Val Pro Glu Gln  
 755 760 765  
 Glu Leu Gln Gln Leu Glu Ile Glu Leu Phe Leu Asn Ser Leu Ser Gln  
 770 775 780  
 Pro Phe Ser Leu Glu Glu Gln Glu Gln Ile Leu Ser Cys Leu Ser Ile  
 785 790 795 800  
 Asp Ser Leu Ser Leu Ser Asp Asp Ser Glu Lys Asn Pro Ser Lys Ala  
 805 810 815  
 Ser Gln Ser Ser Arg Asp Thr Leu Ser Ser Gly Val His Ser Trp Ser  
 820 825 830  
 Ser Gln Ala Glu Ala Arg Ser Ser Ser Trp Asn Met Val Leu Ala Arg  
 835 840 845

## 843.ST25.txt

Gly Arg Pro Thr Asp Thr Pro Ser Tyr Phe Asn Gly Val Lys Val Gln  
 850 855 860

Ile Gln Ser Leu Asn Gly Glu His Leu His Ile Arg Glu Phe His Arg  
 865 870 875 880

Val Lys Val Gly Asp Ile Ala Thr Gly Ile Ser Ser Gln Ile Pro Ala  
 885 890 895

Ala Ala Phe Ser Leu Val Thr Lys Asp Gly Gln Pro Val Arg Tyr Asp  
 900 905 910

Met Glu Val Pro Asp Ser Gly Ile Asp Leu Gln Cys Thr Leu Ala Pro  
 915 920 925

Asp Gly Ser Phe Ala Trp Ser Trp Arg Val Lys His Gly Gln Leu Glu  
 930 935 940

Asn Arg Pro  
 945

<210> 22

<211> 281

<212> PRT

<213> artificial sequence

<220>

<223> synthetic peptide

<400> 22

Thr His Gln Leu Arg Leu Gly Arg Gly Ser Phe Gly Glu Val His Arg  
 1 5 10 15

Met Glu Asp Lys Gln Thr Gly Phe Gln Cys Ala Val Lys Lys Val Arg  
 20 25 30

Leu Glu Val Phe Arg Ala Glu Glu Leu Met Ala Cys Ala Gly Leu Thr  
 35 40 45

Ser Pro Arg Ile Val Pro Leu Tyr Gly Ala Val Arg Glu Gly Pro Trp  
 50 55 60

Val Asn Ile Phe Met Glu Leu Leu Glu Gly Gly Ser Leu Gly Gln Leu  
 65 70 75 80

Val Lys Glu Gln Gly Cys Leu Pro Glu Asp Arg Ala Leu Tyr Tyr Leu  
 85 90 95

## 843.ST25.txt

Gly Gln Ala Leu Glu Gly Leu Glu Tyr Leu His Ser Arg Arg Ile Leu  
 100 105 110  
 His Gly Asp Val Lys Ala Asp Asn Val Leu Leu Ser Ser Asp Gly Ser  
 115 120 125  
 His Ala Ala Leu Cys Asp Phe Gly His Ala Val Cys Leu Gln Pro Asp  
 130 135 140  
 Gly Leu Gly Lys Ser Leu Leu Thr Gly Asp Tyr Ile Pro Gly Thr Glu  
 145 150 155 160  
 Thr His Met Ala Pro Glu Val Val Leu Gly Arg Ser Cys Asp Ala Lys  
 165 170 175  
 Val Asp Val Trp Ser Ser Cys Cys Met Met Leu His Met Leu Asn Gly  
 180 185 190  
 Cys His Pro Trp Thr Gln Phe Phe Arg Gly Pro Leu Cys Leu Lys Ile  
 195 200 205  
 Ala Ser Glu Pro Pro Pro Val Arg Glu Ile Pro Pro Ser Cys Ala Pro  
 210 215 220  
 Leu Thr Ala Gln Ala Ile Gln Glu Gly Leu Arg Lys Glu Pro Ile His  
 225 230 235 240  
 Arg Val Ser Ala Ala Glu Leu Gly Gly Lys Val Asn Arg Ala Leu Gln  
 245 250 255  
 Gln Val Gly Gly Leu Lys Ser Pro Trp Arg Gly Glu Tyr Lys Glu Pro  
 260 265 270  
 Arg His Pro Pro Pro Asn Gln Ala Asn  
 275 280